

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A production scheduling management method ~~for, comprising~~ making a computer execute the steps of:

receiving information of customer orders and information of prospect orders and storing into a received order database;

dividing orders stored in said received order database based on a reference master having various kinds of information about production materials registered therein, and storing the information of the orders which have been subjected to the division process to a received order division database;

applying a process development to the orders which have been subjected to the division process, based on a basic unit master and storing into a process development database;

specifying an optimum production starting date based on the information of orders which have been subjected to the process development and a production pattern stored in a production pattern database, performing loading, and storing results of the loading into a production planning database; and

creating delivery date answer information, based on said optimum production starting date,

wherein said production pattern describes a sequence of production of a plurality of products, and is set in such a manner that a production scheduling is repeated periodically and that the compliance rate of delivery date of a target product becomes a maximum.

2. (Original) The production scheduling management method according to claim 1 a step of changing a production scheduling stored in said production planning database.

3. (Previously Presented) The production scheduling management method according to claim 1, for further making said computer execute a step of making a display means display a production scheduling stored in said production planning database and production results in a compared manner.

4. (Canceled)

5. (Currently Amended) A production scheduling management software program installed in a computer, for making a computer execute the steps of:

receiving information of customer orders and information of prospect orders and storing into a received order database;

dividing orders stored in said received order database based on a reference master having various kinds of information about production materials registered therein, and storing the information of the orders which have been subjected to the division process to a received order division database;

applying a process development to the orders which have been subjected to the division process, based on a basic unit master and storing into a process development database;

specifying an optimum production starting date based on the information of orders which have been subjected to the process development and a production pattern stored in a production pattern database, performing loading, and storing results of the loading into a production planning database; and

creating delivery date answer information, based on said optimum production starting date,

wherein said production pattern describes a sequence of production of a plurality of products, and is set in such a manner that a production scheduling is repeated periodically and that the compliance rate of delivery date of a target product becomes a maximum.

6. (New) A computer-readable medium comprising a production scheduling management software program for making a computer execute the steps of:

receiving information of customer orders and information of prospect orders and storing into a received order database;

dividing orders stored in said received order database based on a reference master having various kinds of information about production materials registered therein, and storing the information of the orders which have been subjected to the division process to a received order division database;

applying a process development to the orders which have been subjected to the division process, based on a basic unit master and storing into a process development database;

specifying an optimum production starting date based on the information of orders which have been subjected to the process development and a production pattern stored in a production pattern database, performing loading, and storing results of the loading into a production planning database; and

creating delivery date answer information, based on said optimum production starting date,

wherein said production pattern describes a sequence of production of a plurality of products, and is set in such a manner that a production scheduling is repeated periodically and that the compliance rate of delivery date of a target product becomes a maximum.

7. (New) The production scheduling management method of Claim 1, wherein the sequence of production is set to reduce the number and hours of step replacement.

8. (New) The production scheduling management method of Claim 1, wherein the production scheduling sets the production frame size to maximize delivery compliance for the plurality of products.